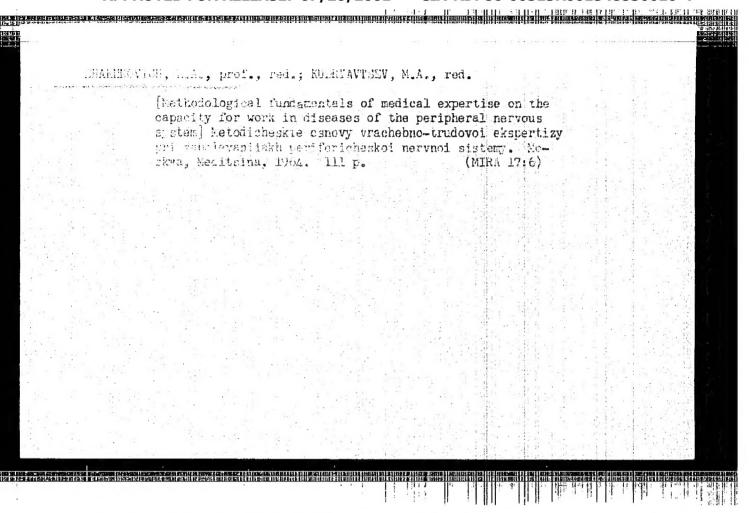
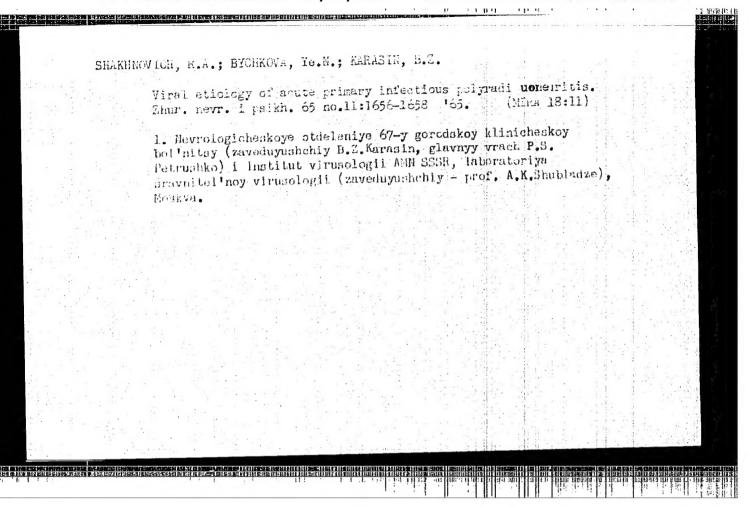
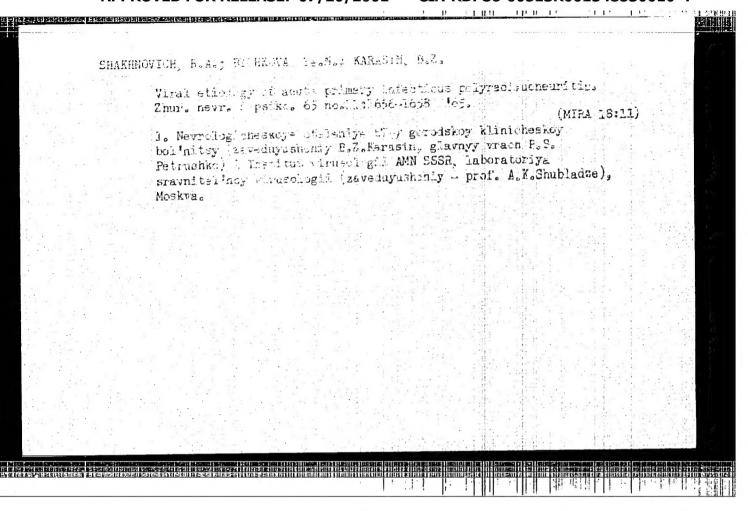
DROGICHINA, E.A., doktor med. nauk; KEVORK'YAN, A.A., prof.; LUR'YE,
Z.L., prof.; LISITSA, F.M., dotsent; PENTSIK, A.S., prof.;
PESHKOVSKIY, G.V., prof.; SHAKHNOVICH, R.A., prof.; DAVIDENKOV,
S.N., prof., otv. red.; BOGOLEPOV, N.K., prof., zam. otv. red.;

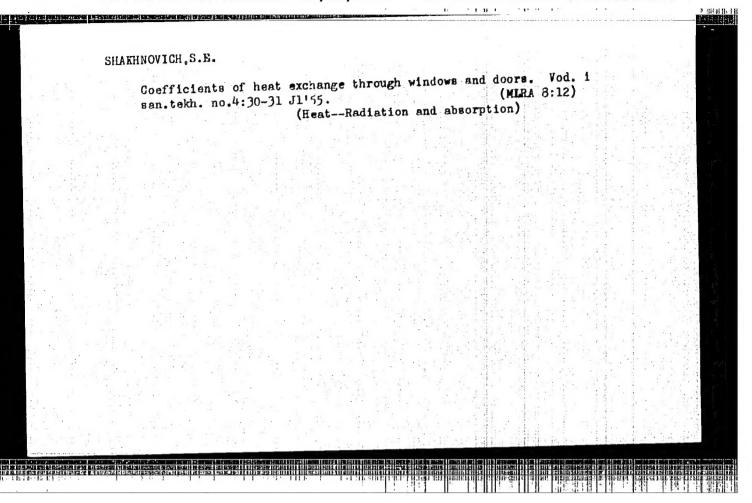
[Multivolume menual on neurology]Mnogotomnoe rukovodstvo po nevfologii. Moskva, Medgiz. Vol.3. Book 2.[Infectious and topic
diseases of the nervous system]Infektsionrye i toksicheskie bolezni nervous sistemy. 1962. 524 p. (MIRA 15:11)

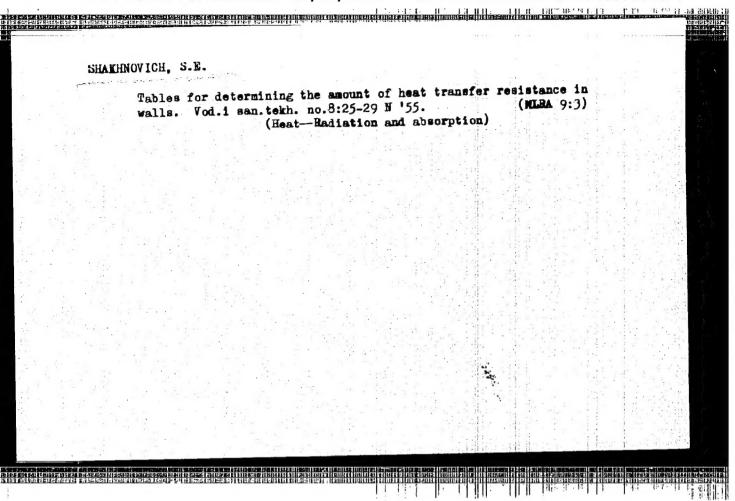
1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Davidenkov). (NERVOUS SYSTEM—DISEASES)





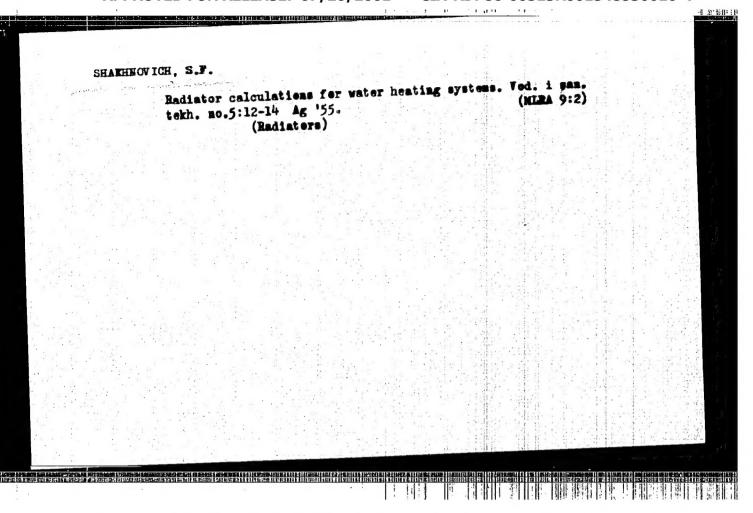






## "APPROVED FOR RELEASE: 07/20/2001

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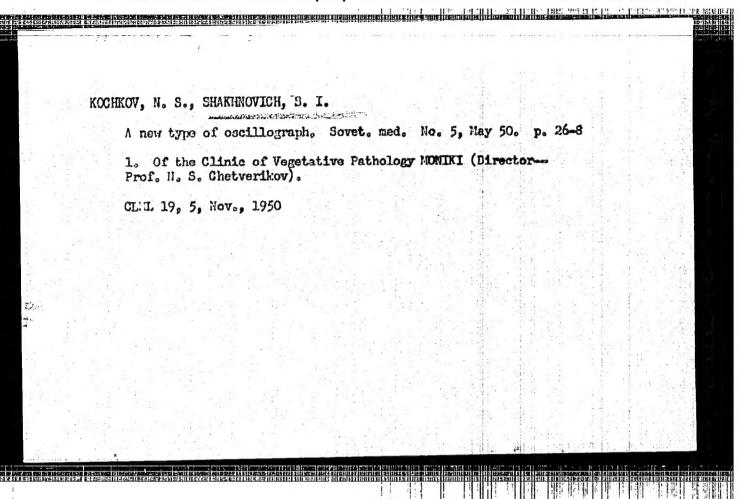


SHAKHNOVICH, S. T. Cand. Med. Sci.

Dissertation: "On the Visceral Disturbances in Affections of the Cerebral Cortex."

Central Inst. for Advanced Training of Physicians. 27 May 47.

SO: Vechernyaya Moskva, May, 1947 (Project #17836)



KRASNOV, M.L., professor.; KRICHNVSKAYA, Ye.I., kandidat meditsinskikh nauk.;

SHAKKNOVICH, S.I., kandidat meditsinskikh nauk.; SHUL'PINA, N.B.

kandidat meditsinskikh nauk.; GEL'PNAN, A.Ya.vrach.

Dicoumarin in a thromboembolic syndrome of the retinal blood vessels.

Vest. oft. 68 no.1; 3-8 Ja-F'56 (MLRA 9:5)

1. Iz kafedry glaznykh bolezney TSentral'nogo instituta

usovershenstvovaniya vrachey (zav.-prof. M.L. Krasnov) i Moskovskoy

glaznoy klinicheskoy bol'nitsy (glav. vrach-I.A. Lyubchenko)

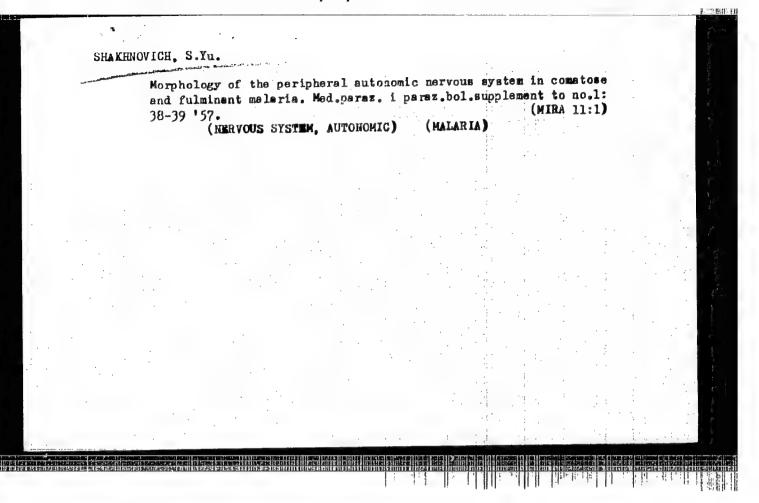
(HETINA--BLOOD SUPPLY)

SHAKHNOVICH, S.Yu.

Invasion of erythrocytes by Plasmodium in various clinical forms of tropic malaria. Med. parazit., Moskva no.1:48-53 Jan-Feb 1953. (CIML 24:4)

THE CONTROL OF THE CONTROL OF THE PERSON OF

1. Of the Propedeutic Therapeutic Clinic of the Pediatric and Sanitary Faculties of Tashkent Medical Institute.



# "APPROVED FOR RELEASE: 07/20/2001 CI

CIA-RDP86-00513R001548530010-4

18(5,7)
AUTHORs: Zacetskiy, G.F., and Shakhrovich, V.A., Engineers

TITLE: New Method to Study Solidification Processes

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 4, pp 34-35 (USSR)

ABSTRACT: Under the methods to determine the peculiarities in the formation of the hard phase during the solidirication process of castings, the authors special interest is directed to one method which is based on the introduction of radioactive isotopes into the fluid phase and their distribution in between the fluid and the hard phase. This method makes it possible to determine at any given moment the extent of the hard phase. It is also possible to trace a heterogeneous concentration. Although this method is not questioned in its value, it is applied only to a small extent as a result of the high costs connected with it. It was therefore decided (on a proposal of G.F. Zasetskiy) to introduce sulphur into the fluid phase in order to get a better knowledge of the solidification pro-

cess. This method is based on the difference in the

Card 1/3

New Method to Study bolidification Processes 50V/128-59-4-15/27

diffusion of sulphur in the fluid and in the hard phase, and also on the fact, that crystal sulphur combines with iron. The amount of sulphur in the iron indicates at any given moment from the beginning of the colidification, how thick the layer of the hard phase is. The amount of sulphur brought into the fluid phase should exceed the normal percentage of culphur in the metal by 5 to 10 times. To bring the culphur in the fluid phase of the casting it is neces-eary to keep the riser part of the casting in a fluid state. This is done by heating the casting. This me-thod makes it possible to trace the development of the different stages in the solidification process. Furthermore the separating surface of the fluid and the hard phase, the dendrite structure on this surface, the metal flow in the fluid phase, and the influence of that flow on the formation of the microstructure of the cast can be determined. Figure 1 shows the outline of the layer in the hard phase, figure 2 shows

Card 2/3

New Method to Study bolidification Processes SOV/128-59-4-15/27

traces of sulphur. The mathematical results will be described in a forthcoming paper. There are 2 photograph.

Card 3/3

\$/128/60/000/007/006/017 A105/A033:

AUTHOR: Shakhnovich, V.A.

Burning Loss of Alloying Elements During Steel Melting in Induction TITLE: Furnaces

PERIODICAL: Liteynoye proizvodstvo, 1960, No. 7, p. 39

TEXT: The author describes steel melting processes in open induction furnaces with magnesite-lined crucibles of 12, 50, 80 and 150 kg capacity. The charge consisted of carbon steel cuttings of the following chemical composition: 0.04-0.07% C; 0.2-0.3% Si; 0.15-0.3% Mn; 0.2% Ni; 0.2% Cu; 0.025-0.035% S; 0.015-0.025% P and alloying additives with a lower oxygen affinity than Ni, FeMo, Cu, FeW. A slag cover was obtained by adding freshly burnt lime and fluorspar to the amount of 2-3% of the charge weight. After melting and overheating to 60-80°C the melted slag was removed and replaced by a fresh one of identical composition. Melted slag was reduced with 70% Al and 30% CaO to white slag, the bath being deoxidized beforehand with 0.2% Mn and 0.2% Si. The reduced and heated metal (1,560-1,600°C) was enriched with FeCr,

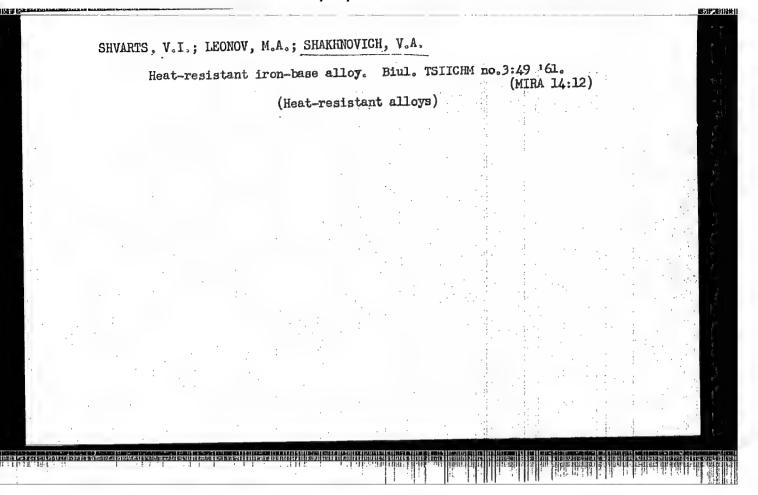
Card 1/6

S/128/60/000/007/006/017 A105/A033

Burning Loss of Alloying Elements During Steel Melting in Induction Furnaces

heated to 200-300°C. After adding more than 4% Cr the ferrochrome was heated to 500-600°C. After its complete melting the remaining ferromanganese and ferrosilicon was added, provided the manganese and silicon-content in steel did not exceed 0.6%. The metal was then heated to its final temperature, the slag reduced with B CaO removed, and the metal reduced with 0.03% aluminum after which ferro-vanadium, ferrotitanium, ferroniobium and silicon-zir-conium were added. The final reduction was achieved by the addition of 0.15% calcium silicon. Data on the burning loss rate of various alloying agents are shown in the Table. There is 1 table.

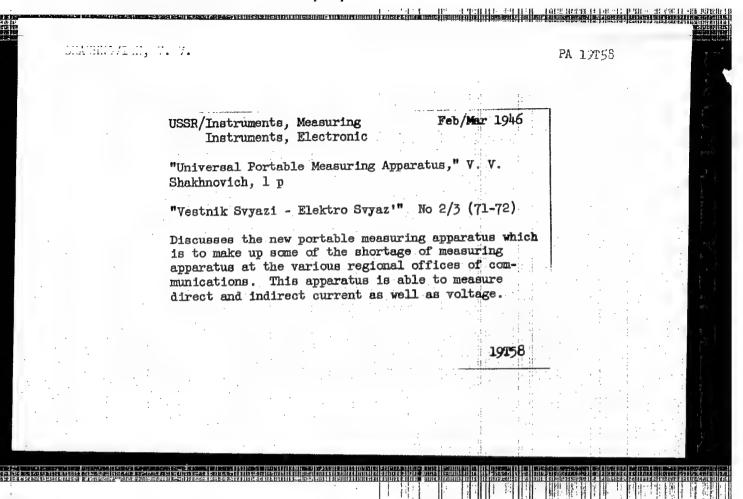
Card 2/6

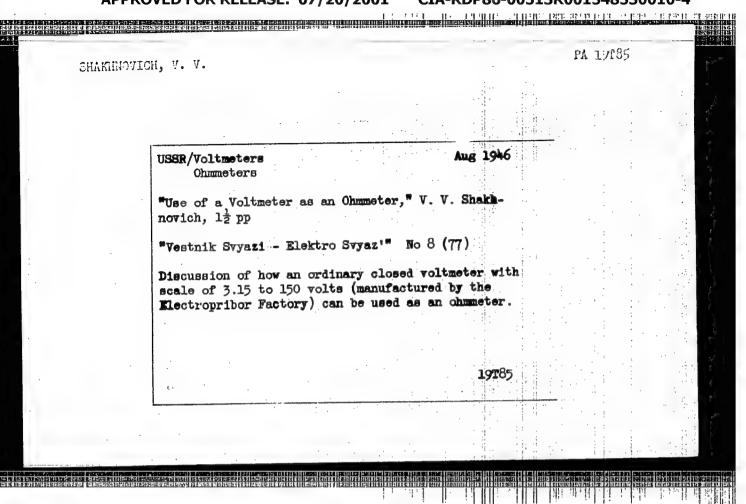


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-1.	1 13274-66 EWT(m)/EWA(d)/EWP(t)/EWP(z)/EWP(b)/EWA(h) JD	
ſ	ACC NR: AP6002907 SOURCE CODE: UR/0286/65/000/024/0073/0073	
	INVENTOR: Shvarts, V.I.; Tsypkina, Ye. D.; Rogachevskiy, Ya. Ye.; Shakhnovich, V. A. Uvarov, V. A.; Rovenskiy, I. L.; Balter, M. A.; Likhovskikh, M. N.	
ŀ	Uvarov, V. A.; Rovenskiy, 1. 2.,	
	ORG: none	
	TITLE: Cast, heat-resistant, iron-base alloy. Class 40, No. 177078	
:	SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 73	
	TOPIC TAGS: alloy, cast alloy, heat resistant alloy, iron base alloy, chromium	
	containing alloy, nickel containing alloy, tungsten containing alloy, molybdenum containing alloy, nickel containing alloy, manganese containing alloy	
	containing alloy, middlum containing arroy, management (6,44.)	200
	ABSTRACT: This Author Certificate introduces a cast, heat-resistant, iron-base all	
	To improve mechanical and technological properties of sectoral 4 5-5 thingsten.	
	follows: 0.18—0.22% carbon, 19—21% chromaum, 24—20% nitrates, 0.02% cerium, 0.005% boron, 0.9—1.1% molybdenum, 0.9—1.1% niobium, 0.1% nitrogen, 0.02% cerium, 0.005% boron, 0.9—1.1% molybdenum, 0.9—1.1% niobium, 0.1% nierogen, 0.02% may each of sulfur and phosphorus. [A	z]
	0.8% max silicon, 1.2-1.5% manganeses, 0.05% max cach	
	SUB CODE: 11/ SUBM DATE: 100ct63/ ATD PRESS: 4/85	
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"APPROVED FOR RELEASE: 07/20/2001 CIA-RDP86-00513R001548530010-4

SHAKHNOVICH, V. R.	DECEASED	1963/1	
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SHAWHNOVICH, Ya. vrach (Kiyev)

Invisible rays. Zdorov'e 4 no.12:21 D '58 (MIRA 11:12)

(ULTRAVIOLET RAYS)

# "APPROVED FOR RELEASE: 07/20/2001

#### CIA-RDP86-00513R001548530010-4

BLANK, A.G.; SHAKHNOVICH, Yn.B.; TRIFEL', M.N.

Periodic cathodic polarization of steel. lzv. AN Azerb. SSR. Ser.
fiz. tekh. i khim. nauk no.2:83-89 '59.

(Steel--Corrosion)

(Steel--Corrosion)

SHAKHNOVSKAYA, F.B.; PRAVDIN, N.S., professor, nauchnyy rukovoditel.

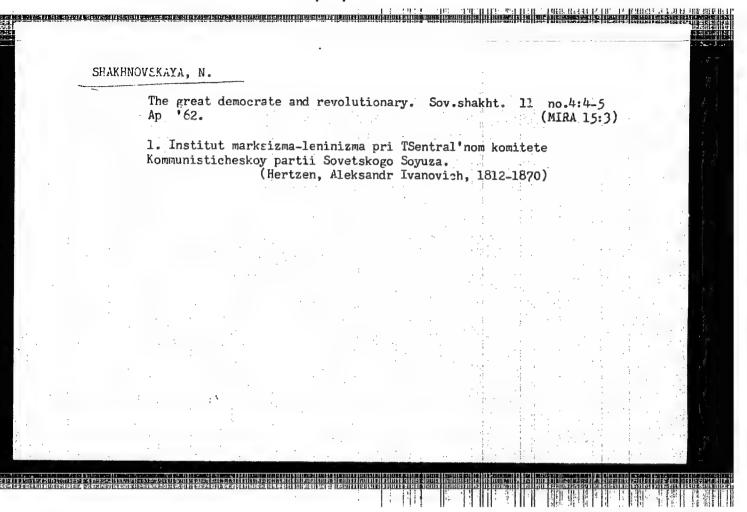
Toxicology of chlorinated naphthalenes. Farm.i toks. 16 no.2:43-47 Mr—
(MLRA 6:6)

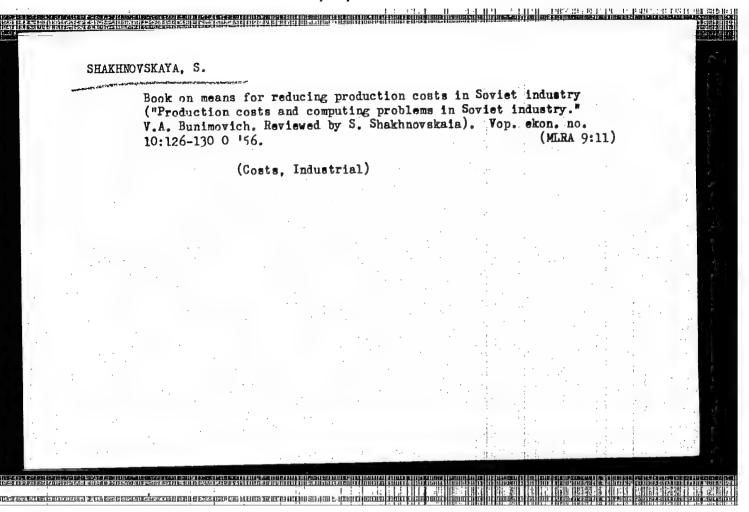
Ap '50.

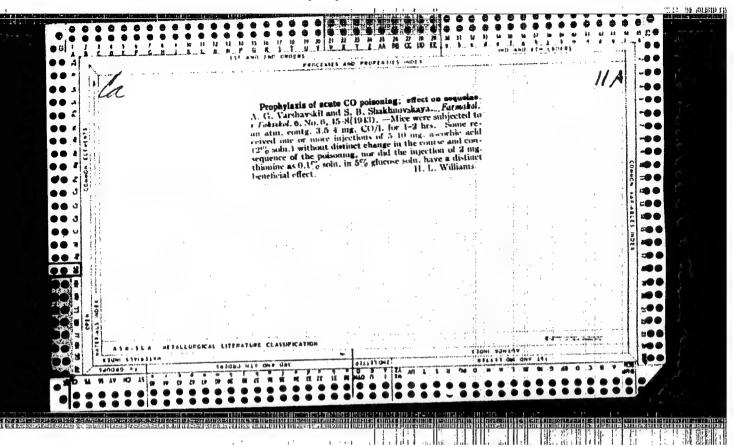
1. Toksikologicheskaya laboratoriya Inatituta gigiyeny truda i profzabolevaniy akademii meditsinskikh nauk SSSR.

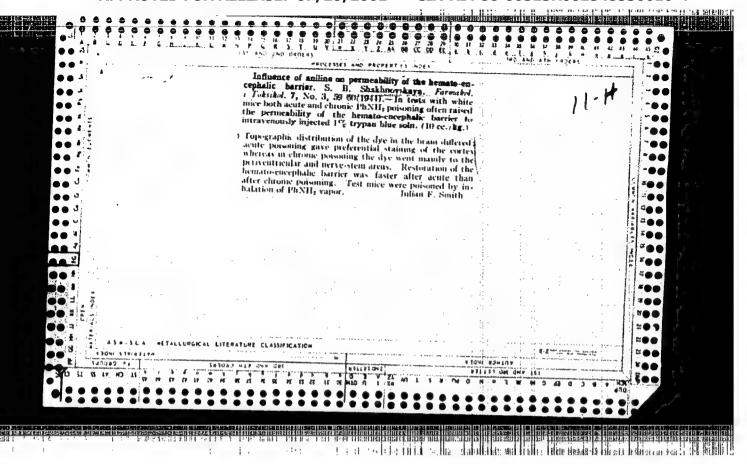
(Naphthalene--Toxicology)

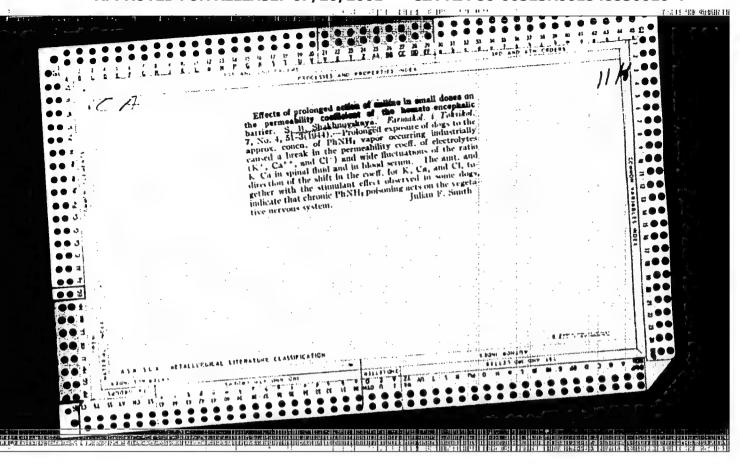
	USSR/Medicine - Toxicology, Lead Jul/Aug 53 Poisoning	"The Effect of the Functional Condition of the Central Nervous System on the Course of Lead Poisoning," N. K. Kulagina, F. B. Skaldhnovskaya, Inst of Labor Hygiene and Occup Diseases, Acad Med Sci USSR	Farmakol i Toksikol, Vol 16, No 4, pp 51-57	drug	270T <sup>4</sup> 1	poisoning in rats, while agents which contribute to development of the irritation process in the cerebral cortex (i.e. caffeine) aggravate this poisoning		270T41	The second secon
1				-	;				

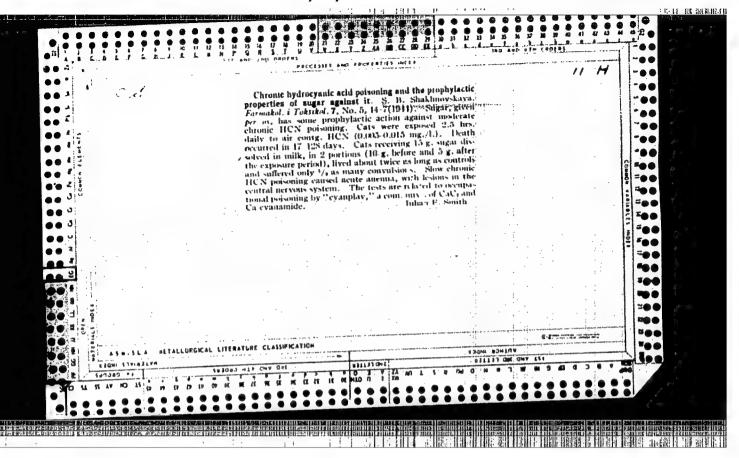


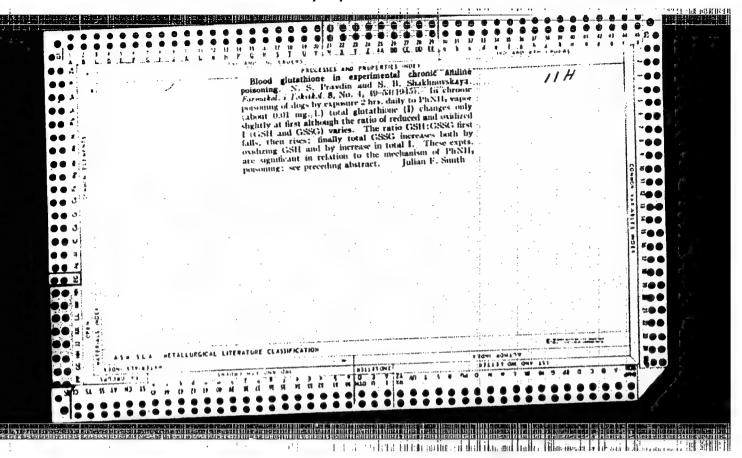


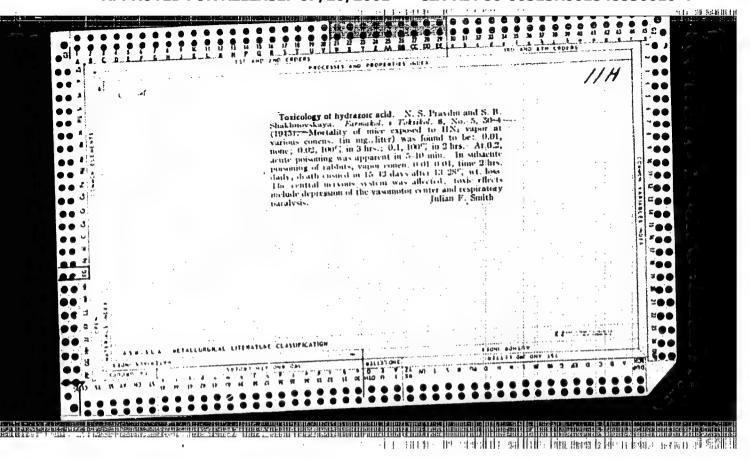


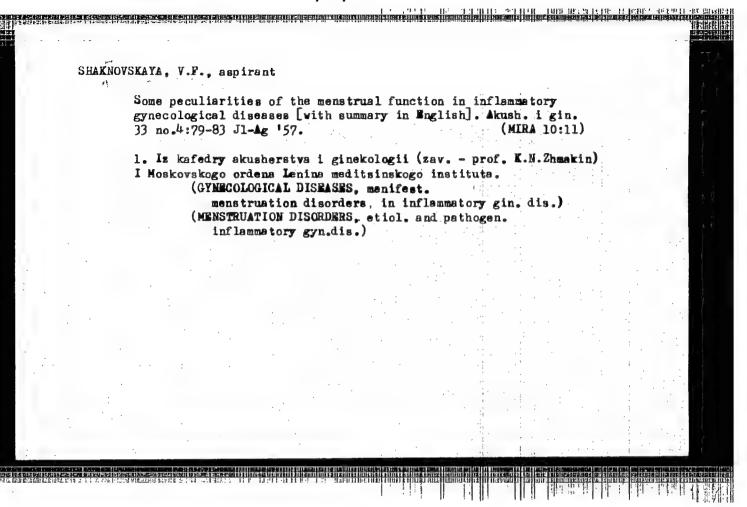












SHAKHNOVSKAYA, V. F. Cand Med Sci --(diss) "Certain peculiarities of the menstrual function of women with inflammatory diseases of the genital organs." Mos, 1958. 11 pp (1st Mos Order of Lenin Med Inst im I. M. Sechenov), 200 copies (KL, 13-58, 101)

BLOSHANSKIY, Yu.M.; VANINA, L.V.; VYKHLYAYEVA, Yo.M.; ZHMAKIN, Konstantin Mikoloyevich, prof.; LOTIS, V.M.; MANUILOVA, I.A.; MOISEYENKO, M.D.; STAO BI-LTAN' [Haiso Pi-lien]; STRONGINA, T.M.; TRUYEVTSEVA, G.V.; SHAKHNOVSKAYA, V.F.; GARVEY, H.M., red.; NAVROTSKIY, O.G., tekhn. red.

[Physiology and pathology of the menstrual function] Fiziologia i petologiia menstrual ini funktsii. Otv. red. K.N. Zhmekin. Moskva, Pervyi Mosk. med. in-t, 1960. 174 p. (MIRA 14:5)

1. Sotrudniki kofedry skusherstva i ginekologii 1-go Moskovskogo ordens Lenine Meditsingkogo instituta im. I.M. Secherova (for all except darvey, Navrotskiy).

(MENSTRUATION)

SANTOTSKIY, M.I., doktor med. nauk; BUKHMAN, A.I., kand. med. nauk; SHAKHNOVSKAYA, V.F., kand. med. nauk; GOLUBEVA, I.V.

Pneumogyaecography in endocrine diseases. Probl. endck. i (MIRA 16:12)

1. Iz rentgenologicheskogo otdeleniya (zav. M.I.Santotskiy) i ginekologicheskogo otdeleniya (zav. - prof. S.K.Lesmoy) Vsesoyznogo nauchmo-iseledovatel'skogo instituta eksperimental'noy endokrinologii (dir. - prof. Ye.A. Vszyukova).

Telepoleventnel syndrome. Arish. 1 gin. 42 no.3:59-65 My-Ja (d.).

(MIRA 76:5)

1. Ginakologishaskoya otdeleniye Vasoyuzmogo instituta eksperimental'noy endokrinelegii (bir. -- prof. Ya.A.Vasyukova),

Wiskva.

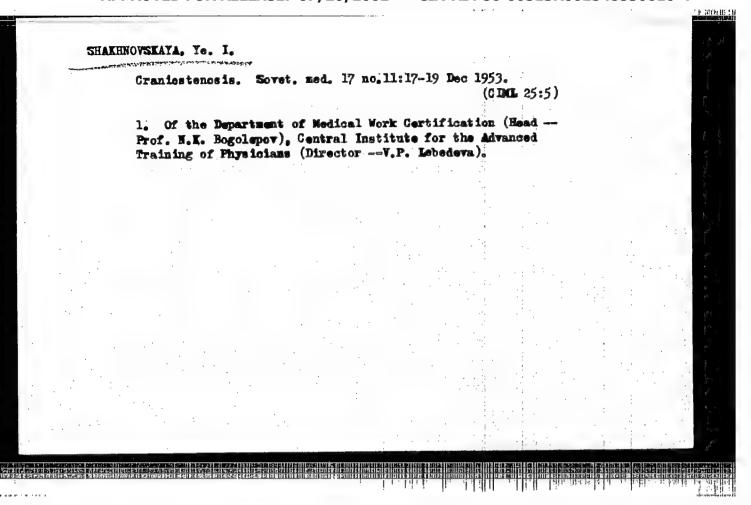
#### "APPROVED FOR RELEASE: 07/20/2001

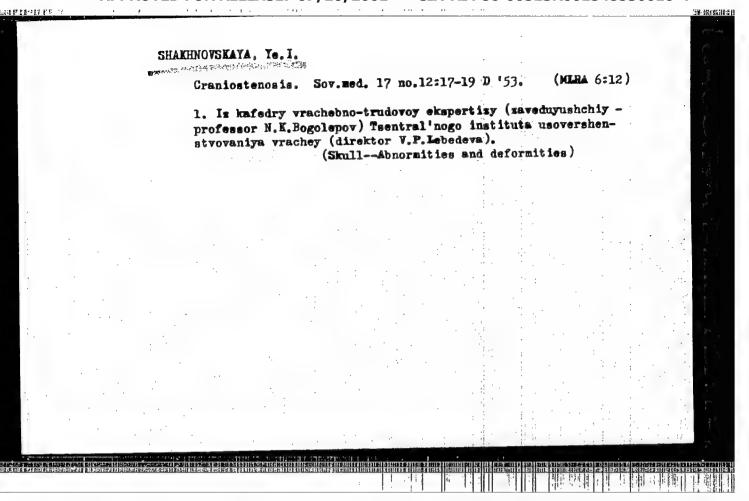
CIA-RDP86-00513R001548530010-4

KALININ, A.P.; SHAKHNOVSKAYA, V.F.; ZARETSKIY, M.M.

Fregnancy and later in Itsenke-Cushing's disease. Probl. endek. 1 gorm. 11 nc.6:13-17 N -D \*65. (MIRA 18:12)

1. Terapevticheskoye otdeleniye (zav. - kand. mad. nauk A.G.Vasi-1'yeva) i khirurgicheskoye otdeleniye (zav. prof. O.V.Nikolayev) instituta eksperimental'noy endokrinologii ANN SSSR, Moskva.





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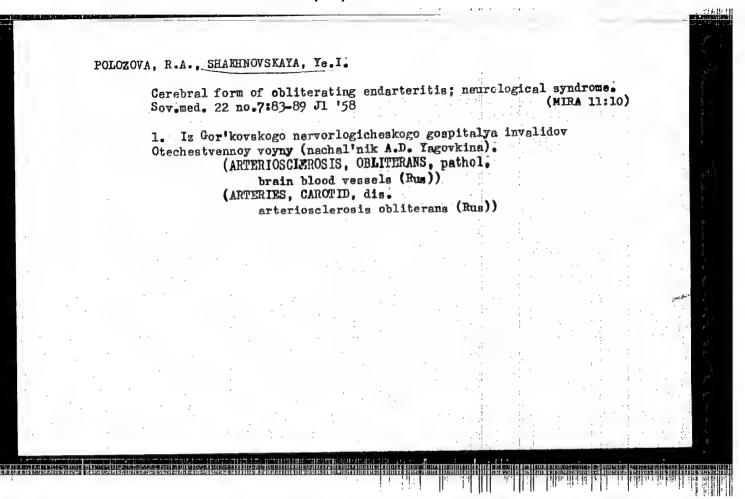
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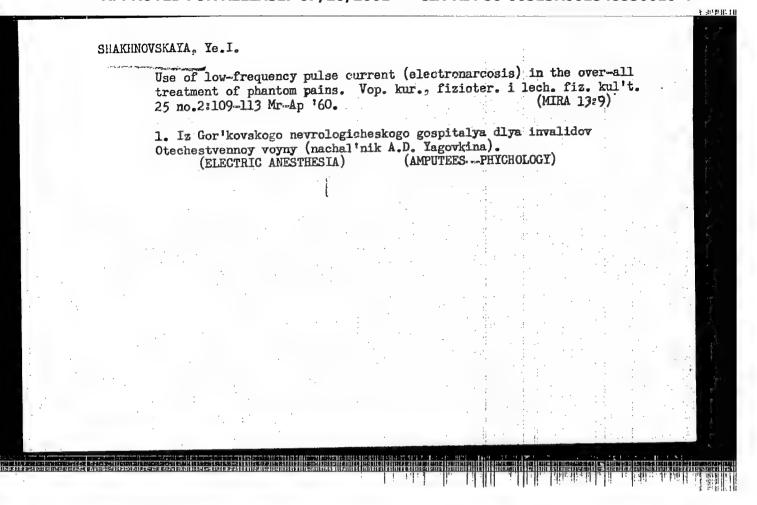
SHAKHNOVSKAYA, Ye,I.

"eurological changes in defects of the distal part of the extremities.
Zhur.nevr.i psikh. Supplement:28 '57.

1. Gor'kovskaya oblastnaya Vrachebno-trudovaya ekspertnaya komissiya.

(AMPUTATION STUMP--INNERVATION)



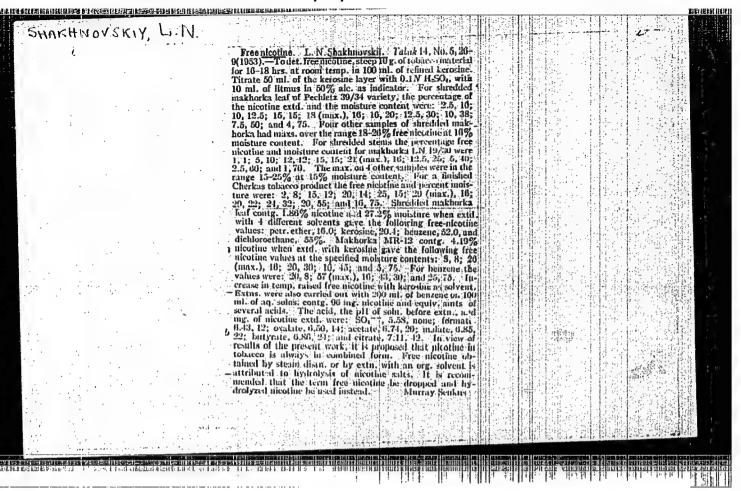


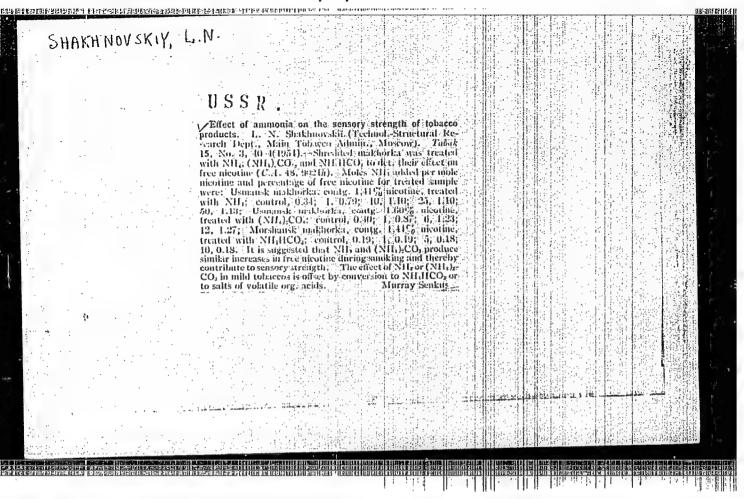
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- 2. USSR (600)
- 4. Pneumatic-Tube Transportation
- 7. Removal of dust and trash from dry shredded makhorka when using pneumatic transportation.

  Tabak 13, No. 6, 1952

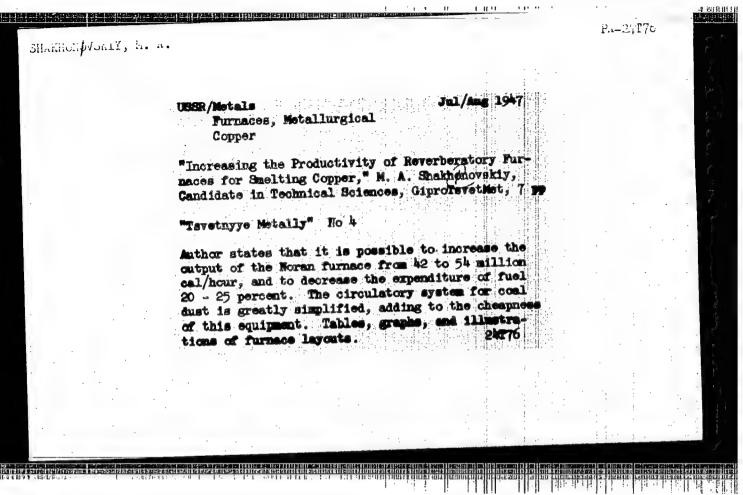
9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

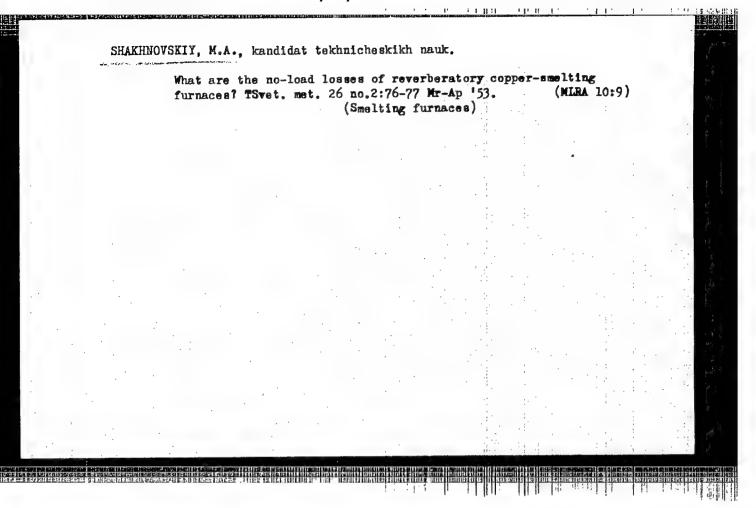


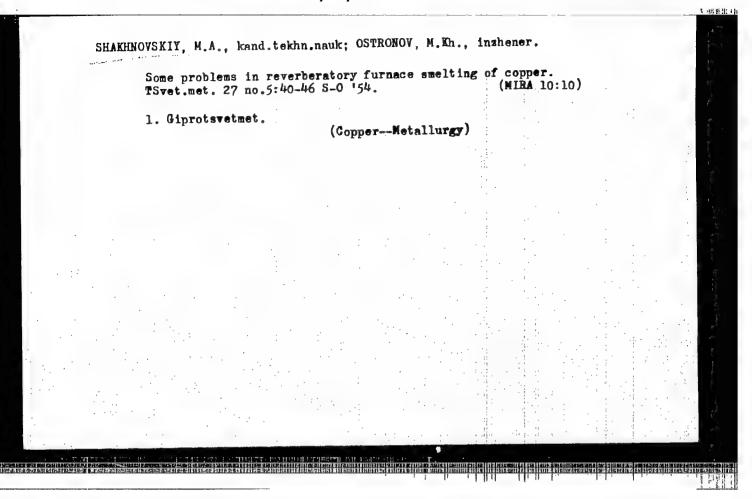


# "APPROVED FOR RELEASE: 07/20/2001 CIA-RDP86-

CIA-RDP86-00513R001548530010-4







156-9-9/14:

MANOR: Shelbhovskiy, M.A., Candidate of Technical Sciences.

Scaling copper sulphide concentrates with oxygen blast. (Playka mednyth sul'fidnyth kontsentratov na

hislorodnom dut'ye).

FURIODICAL: Tsvetnyye Hetally, 1957, No.9, pp. 49-57 (USSR).

ATSTRACT: The author describes and discusses foreign practice, especially that at Copper Cliffs, on smelting copper concentrates with oxygen. He considers the possible application of this method to Soviet copper-sulphide concentrates and decides in favour of this. An editorial note states that this decision is incorrect for Ural concentrates which, because of favourable heat conditions, can be flash smelted without an oxygen blast. The note recommends further technical-economic calculations before making a decision.

There are 5 figures, 3 tables and 9 references - 8 Russian,

There are 5 figures, 3 tables and 9 references - 8 Russian, 1 English.

AVAILABLE: Library of Congress.

Card 1/1 1. Copper-Smelting 2. Oxygen-Blast-Application

SOV/124-57-4-4972:

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 146 (USSR)

AUTHOR: Fradlin, B. N., Shakhnovskiy, S. M.

TITLE: On the Stressed State of Initially-distorted Slender Rods (O naprya-

zhennom sostoyanii pervonachal'no iskrivlennykh tonkikh sterzhney)

PERIODICAL: Izv. Kiyevsk. politekhn. in-ta, 1955, Vol.18, pp 42-52

ABSTRACT: On the basis of the results of the design calculation of a paddle wheel as a whole, the authors investigate the stresses in struts which arise in the strut junction constraints. The theory of the equilibrium of

slender elastic rods serves as a basis for the calculations. The paper shows the considerable effect of the distortion of the struts on the local stress distribution. Such a localized stress rise may be one of

the reasons for the failure of struts.

N. A. Kil'chevskiy

Card :1/1

APPROVED FOR RELEASE: 07/20/2001 CIA-RDP86-00513R001548530010-4"

AUTHORS.

Fradlin, B.N. and Shakhnovskiy, S.M.

SOV-21-58-4-6/29

TITLE:

On Obtaining Integro-Differential Equations for the Equilibrium of Inclined Shells (O sostavlenii integro-differentsial nykh uravneniy ravnovesiya pologikh obolochek)

PERIODICAL:

Dopovidi Akademii nauk Ukrains koi RSR, 1958, Nr 4,

pp 381-385 (USSR)

ABSTRACT:

Applying N.A. Kil'chevskiy's method Ref. 1,2 the authors reduce the problem of the equilibrium of a gently inclined shell, subjected to an arbitrary load, to a system of functional equations which looks as follows

$$\mathcal{U}_{(i)_{\alpha}}(M,N) = V_{(j)_{\alpha}}(M,N) - \iint_{\omega} \left[ K_{(\alpha)}^{j}(Q,M) \mathcal{U}_{(i)j}(Q,N) + L_{(i)_{\alpha}}^{j}(Q,M) \omega_{(i)j}(Q,N) \right] dS_{q} - A_{(i)_{\alpha}}(M,N) + A_{(i)_{\alpha}}^{j}(M,N)$$
(1)

where  $\omega_{(i)\alpha}$  are components of the vector of an elementary turn around point M induced by a corresponding unitary force applied to point N;  $A_{(i)\alpha}$  (M,N) is the work of auxi-

liary efforts  $T^{\sigma}_{\mu}$  ( $V_{G}$ ,  $\sigma$ ) and moments  $M^{\sigma}_{\mu}$  ( $V_{G}$ ,  $\sigma$ ) applied to the periphery of the middle surface of the shell, on the main displacements;  $A_{G}$ ,  $\sigma$  (M, N) is the work of main efforts

Card 1/3

On Obtaining Integro-Differential Equations for the Equilibrium of Inclined Shells  $T_{\mu}^{\sigma} \left( \mathbb{U}_{(i)\sigma} \right) \text{ and moments } \mathbb{M}_{\mu}^{\sigma} \left( \mathbb{U}_{(i)\sigma} \right) \text{ applied to the periphery of the middle surface of the shell, on the suxiliary displacements; } \mathbb{U}_{(i)\sigma} \text{ can be considered as components of the Green tensor for a shell, on the middle surface of which an arbitrary load <math>X^{\beta}$  acts, and  $dS_{\alpha}$  is an element of the surface in the vicinity of point Q. The authors derive formulae for the nuclei  $K_{(\alpha)}^{i}$  and  $L_{(\alpha)}^{i}$  and for the operators  $A_{(i)\sigma}$  and  $A_{(i)\sigma}^{i}$ , making use of the corresponding equations in V.Z. Vlasov's technical theory of inclined shells /Ref. 37 and in A. Lyav's paper / Ref. 4/7 As an example, the authors

SOV-21-58-4-6/29

On Obtaining Integro-Differential Equations for the Equilibrium of Inclined Shells

consider the computation of an inclined hinged shell (whose projection on a plane is rectangular) acted upon by an evenly distributed load. There are 5 Soviet references.

ASSOCIATION:

Kiyevskiy politekhnicheskiy institut (Kiyev Polytechnic In-

stitute).

PRESENTED:

By Member of the AS UkrSSR, G.N. Savin

SUBMITTED:

July 10, 1957

NOTE:

Russian title and Russian names of individuals and institutions appearing in this article have been used in the

transliteration.

1. Shells—Mathematical analysis 2. Differential equations —Applications 3. Operators (Mathematics)—Applications

4. Shells--Stability

Card 3/3

SOV/179-59-1-24/36

AUTHORS: Fradlin, B. N. and Shakhnovskiy, S. M. (Kiyev)

TITIE: Functional Equilibrium Equations of Sloping Shells (0 funktsional nykh uravneniyakh ravnovesiya pologikh obolochek)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1959, Nr 1, pp 144-149 (USSR)

ABSTRACT: Using the method proposed by Kil'chevskiy (Refs.l and 2) the problem of equilibrium of a sloping shell is reduced to the investigation of a system of functional equations. There are 6 Soviet references.

SUBMITTED: June 6, 1958.

Card 1/1

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AUTHORS: Fradlin, E.N., and Shakhnovskiy, S.M. (Kiyev)

TITLES

The Determination of Green's Tensor in Equilibrium

Problems of a Sloping Shall V:

FERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh

nauk, Mekhanika i mashinostroyeniye, 1959, Nr 6,

pp 132-134 (USSR)

Card

1/11

ABSTRACT: In conformity with the method of N.A. Killchevskiy, the

integral equilibrium equation for a sloping snell of

rectangular plan and with hinged support round the

contour has the form (1, 2) a b

 $u_{(i)\beta}(M, N) = v_{(i)\beta}(M, N) - \int_{0}^{\infty} \int_{0}^{\infty} K_{(\beta)} J(Q, N) u_{(i)j}(Q, N)$ 

dxo dyo

(i)

where, here and subsequently, 1,  $\beta = 1,2,3$ ;  $\alpha = 1$ ,

j = 1,2,3 and performs summation; m, n = 1,2.

If we choose an auxiliary system of displaced points on a hinged - supported plate, coinciding with the plan of

the shell, arising under the action of unit forces directed

parallel with the coordinate axes, we find

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	5/179/59/000/06/021/029  ENSI/E141  ermination of Green's Tensor in Equilibrium Problems of a	
The Dete	Shell	
propres	Shell $v_{(i)\beta}(P, R) = \sum_{m,n} A_{mn}^{(i)\beta} Z_{mn}^{\beta}(P) Z_{mn}^{i}(R) $ (2)	1
	(1)β·, n	
	where $Z_{mn}^{1}(R) = \cos \frac{m\pi x R}{a} \sin \frac{n\pi y R}{b}$	
	m A Kr	
	$Z_{mn}^{2}(R) = \sin \frac{m \pi x_{R}}{a} \cos \frac{n \kappa y_{R}}{b}$	- Safety
	$z_{mn}^{3}(R) = \sin \frac{n \pi x_{R}}{a} \sin \frac{n \pi y_{R}}{b}$	Ç L
	$A_{mn}(1)1 = \frac{4\varepsilon}{-2\pi kh} \frac{r_{mn}}{r_{mn}^2},  A_{mn}(2)2 = \frac{4\varepsilon}{-2\pi kh} \frac{\sigma_{mn}^2}{r_{mn}^2},$	
	$1.8(1-8^2) cs^2$	
	$A_{mn}(3)3 = \frac{48(1-5^2) \epsilon z^2}{\pi^2 Eh^3} \frac{1}{\cos mn^2},$	
	$(2)^2 + (1+3)^2 = 2 $ an	
Card 2/11	$A_{mn}(1)^2 = A_{mn}(2)^1 = \frac{4(1+0)^2}{\pi^2 Eh} \frac{nn}{\sin^2},$	
2./ 1.1		

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The Determination of Green's Tensor in Equilibrium Problems of a Sloping Shell

$$A_{mn}(\alpha)\beta = A_{mn}(\beta)\alpha = 0 \qquad (\varepsilon = a/b),$$

$$\gamma_{mn} = (1 - v^2) m^2 + 2(1 + v) \epsilon^2 n^2$$

$$\delta_{mn} = 2(1+v)m^2 + (1-v^2)\epsilon^2n^2$$
,  $\epsilon^2_{mn} = m^2 + \epsilon^2n^2$ .

Without going into details, all operations used below on the series (2) follow either immediately or with the aid of the theory of generalised functions. This representation of tangential displacements was used by N.I. Remizov in the candidate dissertation "Integral Equations of Equilibrium of Thin Elastic Cylindrical Shells" Kiyev Polytechnical Institute 1958.

Using the differential equilibrium equations of a sloping shell (3) to determine the kernel  $K_{(3)}^{j}$ , we obtain (2)

$$K(\alpha)^3 = \frac{Ehk_1}{1 - \sqrt{2}} \left[ \phi_1 \frac{\partial v(\alpha) 1}{\partial x} + \phi_1 \frac{\partial v(\alpha) 2}{\partial y} \right],$$

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The Determination of Green's Tensor in Equilibrium Problems of a Sloping Shell

$$B_{mn}(3)3 = \frac{48 \epsilon k_1 o_3 a}{\pi k_1 c_2} \frac{1}{\omega_{mn}^2}, \quad F_{mn}(\alpha)1 = B(\alpha)2 = 0,$$

$$a_{mn} = o_1 m^2 - (x - y - 2) \epsilon^2 n^2, \quad \beta_{mn} = [1 - (y+2) \times ]m^2 - o_2 \epsilon^2 n^2$$

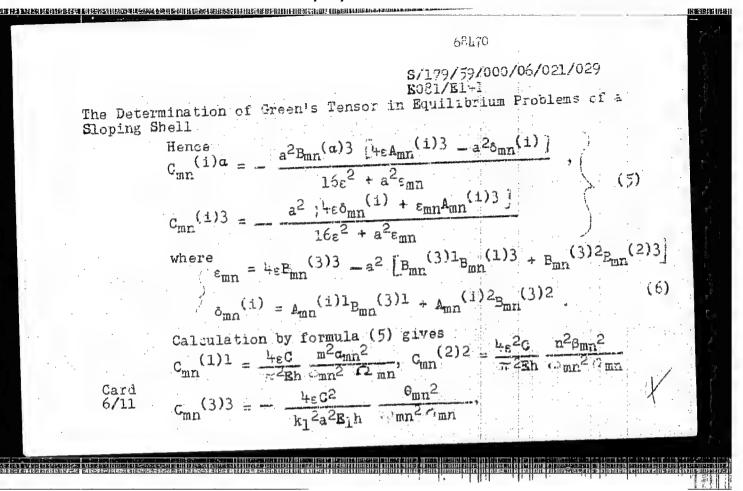
The solution of the system of integral equations (1) is Sought in the form

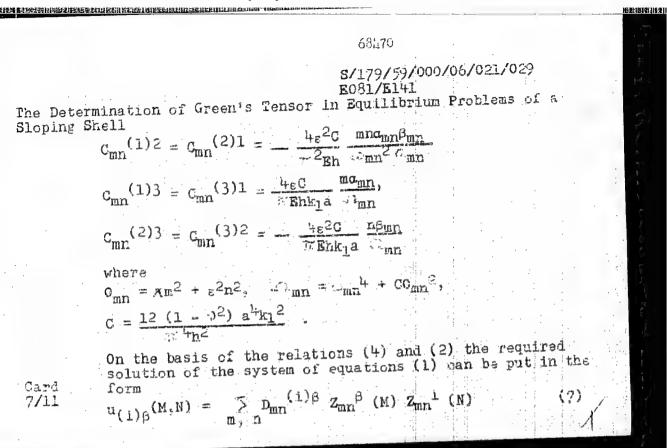
$$u_{(1)\beta}(R,N) = v_{(1)\beta}(R,N) + \sum_{m,n} c_{mn}^{(1)\beta} Z_{mn}^{\beta}(R) Z_{mn}^{1}(N)$$
 (4)

Substituting (!+) in (1) and comparing coefficients of the products  $Z_{mn}^{\beta}(M) Z_{mn}^{-1}(N)$ 

in both parts of the corresponding relationships, we obtain

Card 5/11  $C_{mn}^{(1)\beta} = -\frac{a^2}{4\epsilon} \quad B_{mn}^{(\beta)j} \left[ A_{mn}^{(1)j} + C_{mn}^{(1)j} \right]$ 





 $D_{mn}(2)2 = \frac{4\epsilon}{2Eh} \frac{1}{\cos^2 Eh} \left(\delta_{mn} + \frac{G\epsilon n^2 \beta_{mn}^2}{2mn}\right),$   $D_{mn}(2)3 = D_{mn}(3)2 = \frac{4\epsilon^2 C}{\pi Ehk_1 a} \frac{\pi ehk_1}{\pi Ehk_1}$ 

 $D_{mn}(3)3 = D_{mn} = \frac{\pi Ehk_1 a C_{mn}}{\pi Ehk_1 a C_{mn}}$   $D_{mn}(3)3 = \frac{4s}{\pi^2 Eh} \frac{C}{k_1^2 a^2} \frac{1}{C_{mn}^2} \left(1 - \frac{C \theta_{mn}^2}{C_{mn}^2}\right)$ 

Card  $D_{mn}(1)^2 = D_{mn}(2)^2 = \frac{4\epsilon^2}{Eh} \frac{mn}{C_{mn}^2} (1+v)^2 + \frac{G\alpha_{mn}\beta_{mn}}{C_{mn}}$ 

In this way all components of Green's tensor are obtained for the equilibrium problem of a rectangular plan sloping

58470 8/179/59/000/06/021/029 RO81/E141 The Determination of Green's Tensor in Equilibrium Problems of a Sloping Shell shell with hinged support around the contour. This solution coincides with the known particular solutions of V.Z. Vlasov (3) (in the case of unit normal load) and M. Mishenev (4) (in the case where unit forces are directed along the tangent to the middle surface of the shell). The displacements of points in the middle surface of the shell under the action of an arbitrary load X1(N) are found from the formula (8)  $\int_{0}^{\infty} \mathbf{x}^{1}(\mathbf{N}) \ \mathbf{u}_{(1)\beta} \ (\mathbf{M}, \mathbf{N}) \ d\mathbf{x}_{\mathbf{N}} d\mathbf{y}_{\mathbf{N}}$ In particular, for the problem of equilibrium of a shell under the action of a uniformly distributed normal load q, formula (8) gives Card 9/11 or

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The Determination of Green's Tersor in Equilibrium Problems of a Sloping Shell

S.A. Ambartsumyan (5). In our paper (2) we did not taks tangential displacements into account; and the approximate expression for the deflection which we obtained naturally differs from Eq (9). This is a complete translation.

SUBMITTED: April 20, 1959

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Card 11/11

SHANHOV, A.

84-11-23/36

AUTHOR:

Shakhov, A., Chief of a Repair Establishment, Vaynshteyn, G., Chief of the Design Department of the

Technical Control Bureau of the Establishment

TITLE:

Along the Path of Technical Progress (Po puti tekhni-

cheskogo progressa)

PERIODICAL:

Grazhdanskaya aviatsiya, 1957, Nr 11, pp. 28-31 (USSR)

ABSTRACT:

The process of introduction of the flow method of work in an exemplary repair establishment and the problems solved are described. The first aircraft repaired by the new method was delivered in 1956. The output of the The production establishment increased by 12 percent. capacity planned for the establishment has been exceeded 1.5 times. The average repair time per aircraft was shortened by 15 percent. The output rate was stabilized over the monthly periods. During 1956 168 different innovations and improvements have been introduced saving 594,000 rubles. During the 9 months of 1957, 140 proposals have been submitted, promising an economy of about a million rubles a year. The effectiveness of invidual

Card 1/2

Along the Path of Technical Progress (Cont.)

84-11-23/36

improvements in terms of achieved savings, has grown, on the average, as follows: in 1954 - 1954 rubles, in 1955 - 2,140, and in 1956 - 3,100 rubles. Much attention has been paid to on-the-job training of specialists, especially the young.

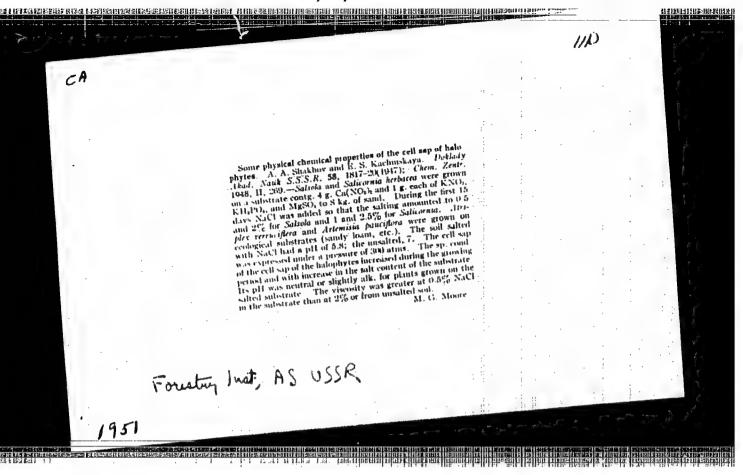
There are schools of advanced work methods in all shops, listing about 200 young workers. There is a school for qualified foremen lacking theoretical knowledge, with 34 students. The entire personnel has 2-hour classes in specialized groups every Tuesday, the work hours being extended correspondingly. First grade status was awarded to 150 workers; 569 have been upgraded during the last 3 years. Serial overhaul of the Mi-4 helicopter was started in 1956, and that of the Mi-1 was organized during 1957. By October, 1957, the repair of the ASh-82-V engine was mastered. Experimental work on the repair of jet engines of the Tu-104 airliner is going on. 2 photographs and 3 sets of diagrams accompany the text.

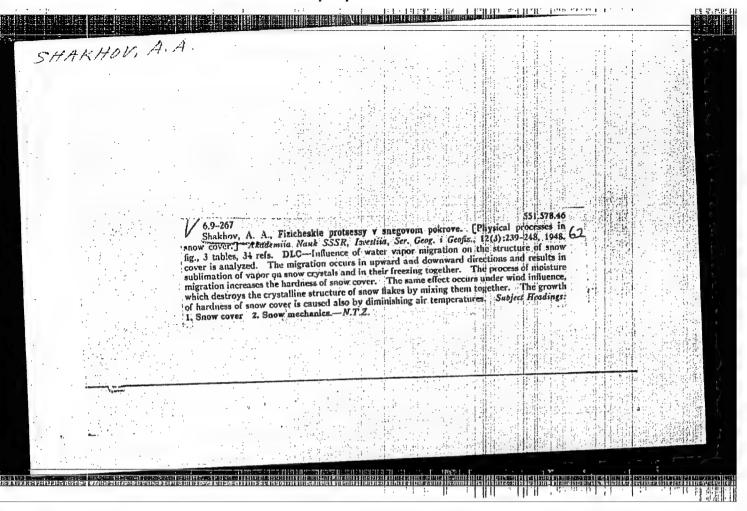
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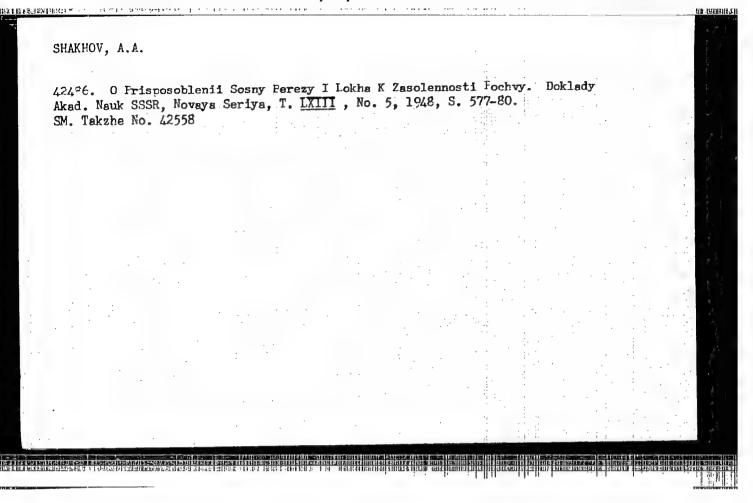
KOMAROVA, I.; MOLCHANOV, B. (Murmanskaya oblast'); SHAKHOV, A., shofer (Pestovo, Novgorodskaya oblast'); KUBYSHEV, V. (Kirovskaya oblast')

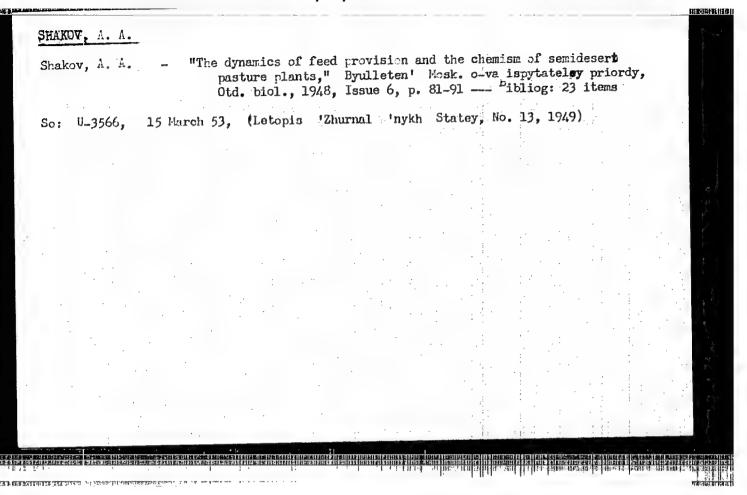
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1. Starshiy inspektor pozharnoy chasti, Kazan' (for komarova). (Fire prevention)





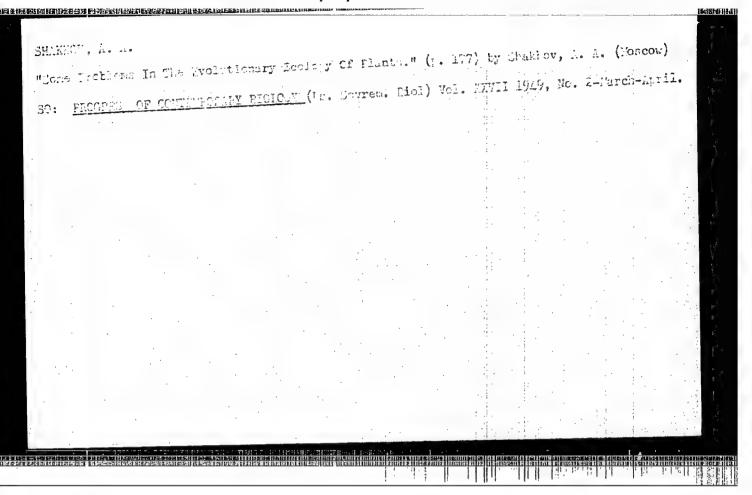




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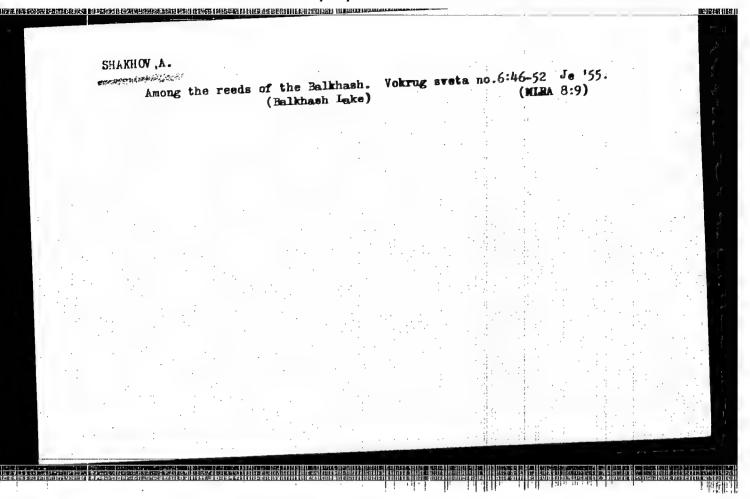
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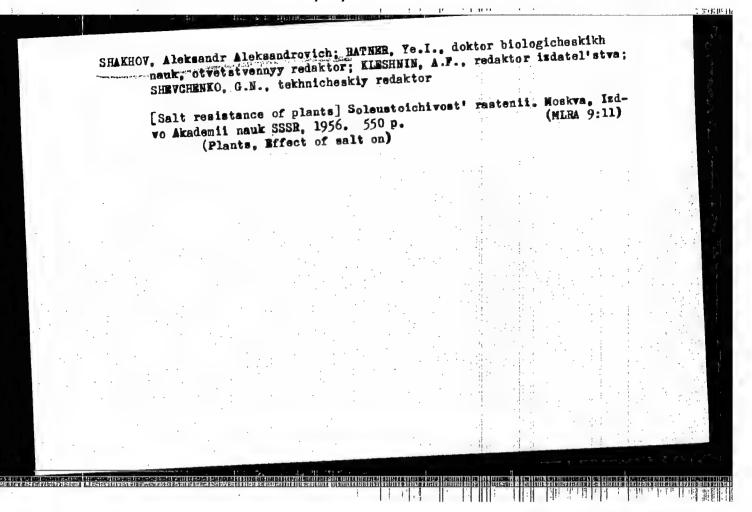
SHAKHOV, A. A.

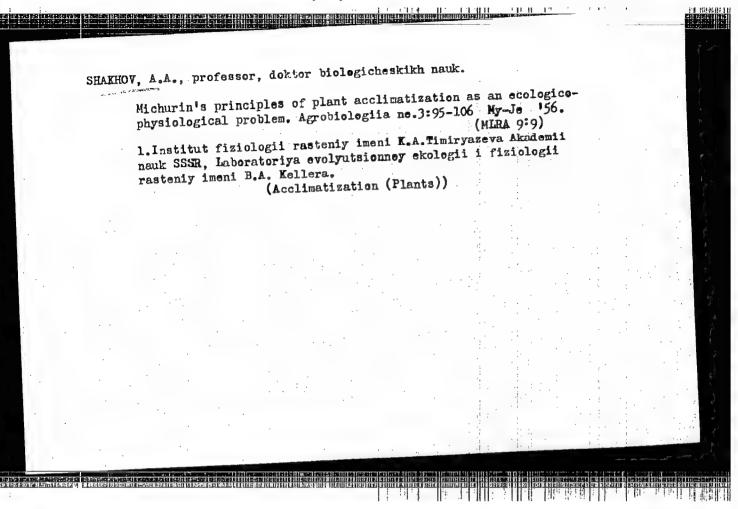
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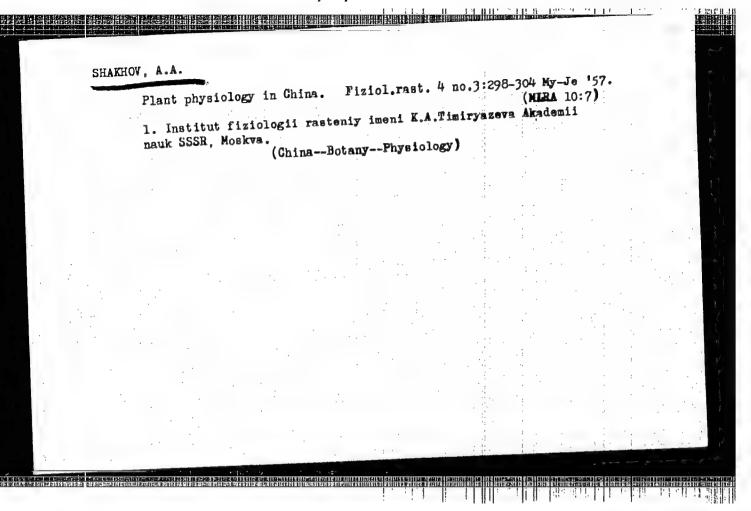
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#### CIA-RDP86-00513R001548530010-4

CHINA/Plant Physiology. General Problems

Abs Jour: Ref Zhur - Biol., No 7, 1958, No 29346

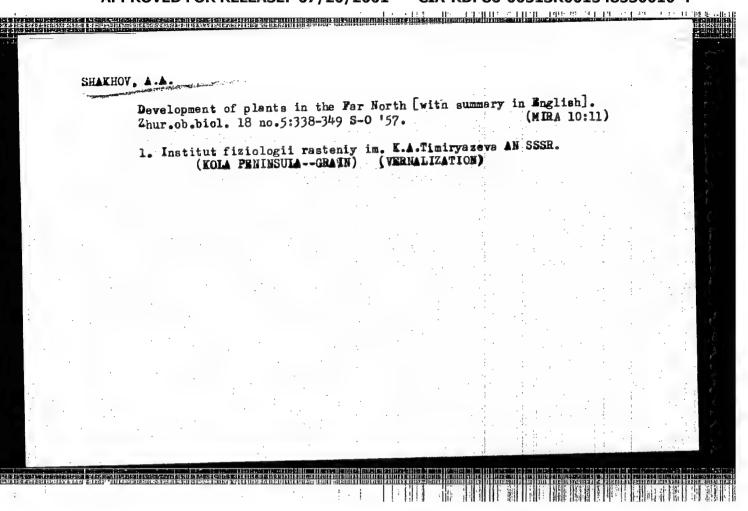
Author: Shakhov, A. A.

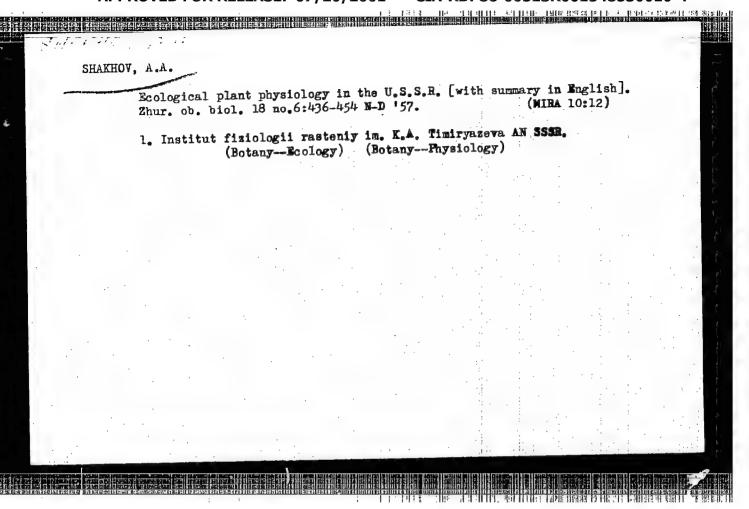
Inst: Not Given
Title: The Theory and Some Practical Problems of Plant Salt-Resistance

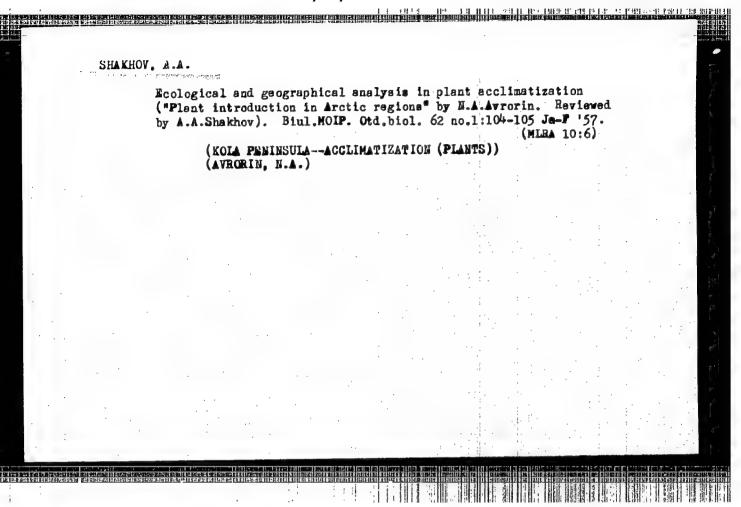
Orig Pub: Chzhea suibao Acta bot. sinica, 1957, 6, No 2, 145-150, 151-160

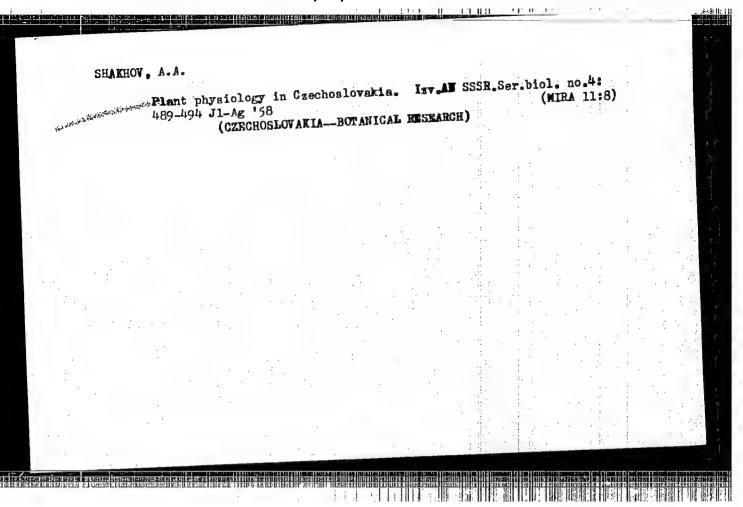
Abstract: No abstract

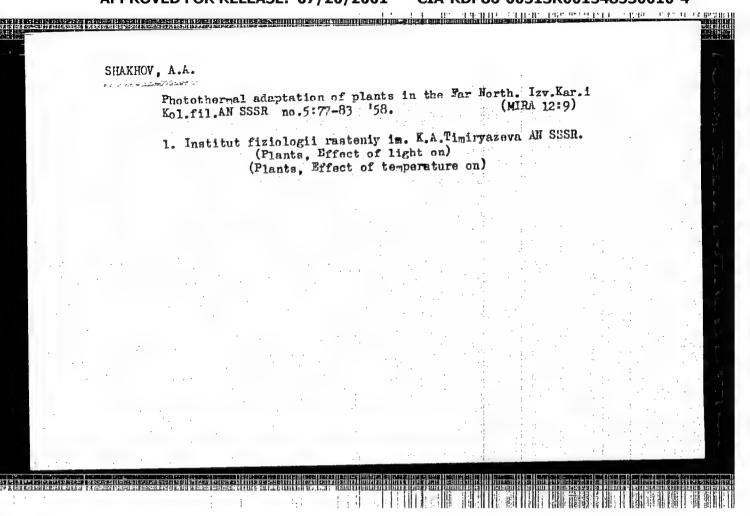
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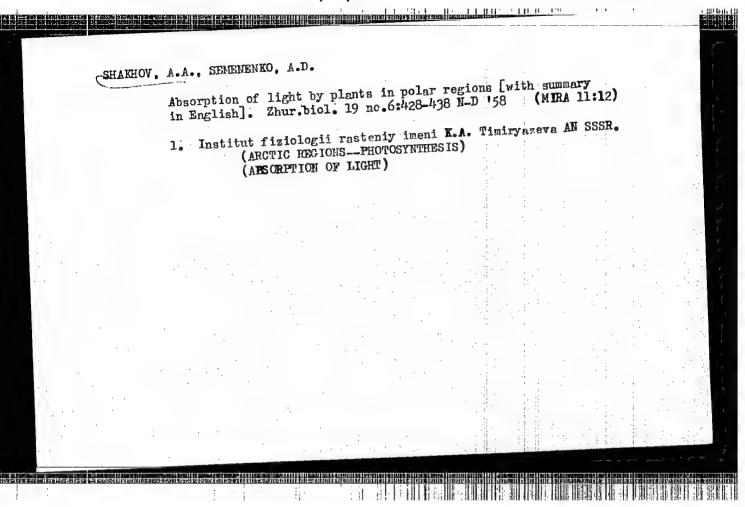


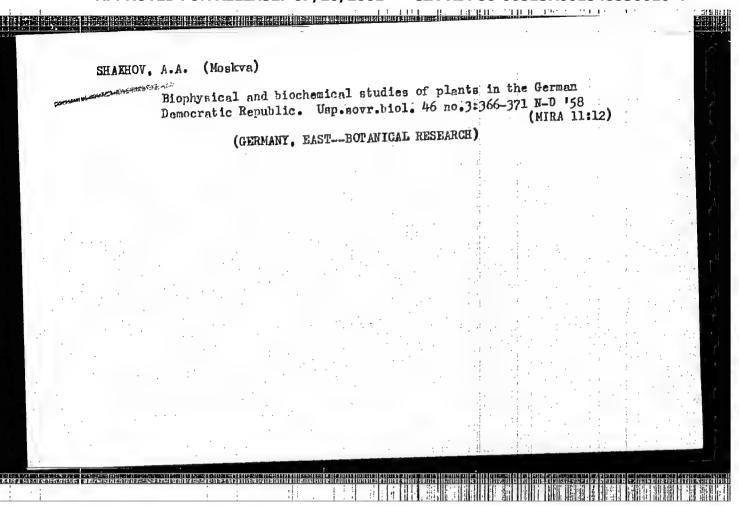


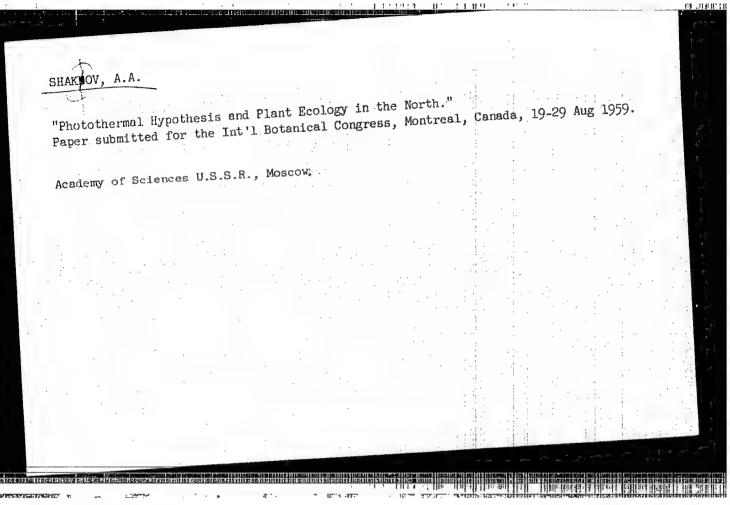


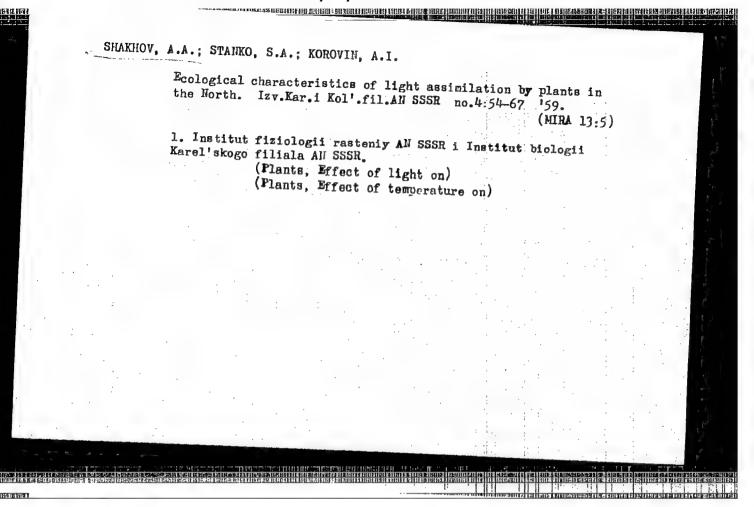












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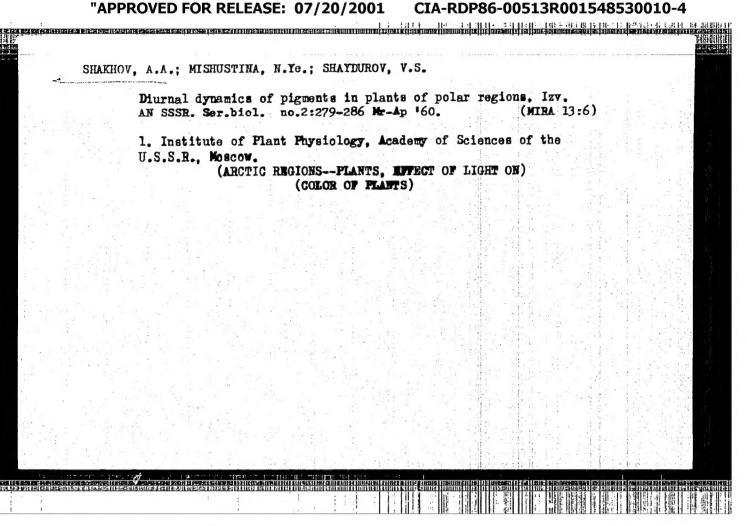
1. Institute of Plant Physiology, Academy of Sciences of the U.S.S.R., Moscow. (ARCTIC REGIONS--PHOTOSYNTHESIS)

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Spectral characteristics of plants. Bot.zhur. 44 no.12:1681-1693
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1. Institut fiziologii rasteniy AN SSSR, 1 Vsesoyuznyy nauchnoissledovatel'skiy svetotekhnicheskiy institut, Moskva.

(Arctic regions--Leaves--Optical properties)



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